

STR Authentication Report For Cell Line

1. Cell Name: Lu-65

2. Test Method: DNA was extracted using the genome extraction kit (Axygen), amplified using a 21- STR amplification protocol, the STR loci and gender gene Amelogenin were detected on the ABI 3730XL Genetic Analyzer.

3. Sample gene genotype analysis result:

Genotype analysis results of STR and Amelogenin loci in cells						
STR Loci	STR profile for Sample cell			STR profile for Cell Bank cell		
	Cell name: STR25041108			Cell name: LU65		
	Allele1	Allele2	Allele3	Allele1	Allele2	Allele3
D5S818	12	12		12	12	
D13S317	10	10		10	10	
D7S820	11	12		11	12	
D16S539	9	11		9	11	
VWA	18	18		18	18	
TH01	6	6		6	6	
AMEL	X	X		X	X	
TPOX	8	11		8	11	
CSF1PO	10	13		10	13	
D12S391	19	26				
FGA	26	26				
D2S1338	17	26				
D21S11	31.2	31.2				
D18S51	18	18				
D8S1179	14	14				

D3S1358	15	16				
D6S1043	12	19				
PENTAE	8	17				
D19S433	11	15.2				
PENTAD	11	13				
D1S1656	14	14				

4. Conclusion: The STR results of **Lu-65** cells are consistent with the genotypes of **Lu-65** cell lines in **DSMZ** database, the cell ID corresponded to **JCRB0079** , and the STR results **completely matched**. In the test, **No multi allele was found** in this cell line.

5. Attached Image

